

Special Issue

Electronic Gas Sensors, Sensor Array, and Electronic Nose for Environment Monitoring and Medical Diagnosis

Message from the Guest Editors

Electronic gas sensors are the subject of intense research in response to the high demand for innovative, miniaturized, and energy-efficient sensors. They have many applications in the field of outdoor and indoor air quality, with increasingly stringent exposure standards. Thanks to these sensors, portable, easy-to-use electronic systems can be envisaged to quickly locate a point source of pollution, find the best location for a fixed station, carry out time-limited monitoring, measure people's exposure, and, through the use of several devices, multiply the measurement points, for example, to map pollutants. This Special Issue will cover a wide range of topics, including the design, fabrication, and characterization of electronic gas sensors, sensor array, and electronic nose and sensitive materials for these applications to highlight the recent advances and new applications in the field. Keywords

- Electronic gas sensors
- Sensor array
- Electronic nose
- Environment monitoring
- Medical diagnosis
- Materials for sensors
- Metal oxides
- Carbonaceous materials
- Conducting polymers
- Nanocomposites

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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